



Water-Data Report 2008

08101000 Cowhouse Creek at Pidcoke, TX

Little Basin
Cowhouse Subbasin

LOCATION.--Lat 31°17'05", long 97°53'05" referenced to North American Datum of 1927, Coryell County, TX, Hydrologic Unit 12070202, on left bank on upstream side of bridge on Farm Road 116, 0.1 mi downstream from Bee House Creek, 0.6 mi northeast of Pidcoke, 4.9 mi upstream from Table Rock Creek, and 34.6 mi upstream from mouth.

DRAINAGE AREA.--455 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1950 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Dec. 1993 to Aug. 1998.

BIOCHEMICAL DATA: Dec. 1993 to Aug. 1998.

SEDIMENT DATA: Jun. 1964.

REVISED RECORDS.--WSP 1712: 1955. WSP 1922: Drainage area. TX-1984: Peak discharge (published in the 2007 water year).

GAGE.--Water-stage recorder. Datum of gage is 736.71 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair except for those daily discharges below 1.0 ft³/s, which are poor. No known regulation or diversions. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1882, occurred in 1900 and 1944 (stage about 37.5 ft), from information by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 6	1845	*4,930	*12.54

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	25	26	22	17	11	22	27	8.0	3.8	5.0	0.48
2	51	24	26	21	16	10	21	26	7.2	3.4	1.0	0.43
3	50	24	25	21	16	11	20	20	6.5	2.7	0.84	0.40
4	48	24	24	20	16	11	21	18	5.9	2.3	0.75	0.37
5	47	24	24	21	16	13	75	38	5.3	1.9	0.68	0.35
6	44	23	23	21	15	16	64	32	5.0	1.9	1,240	0.32
7	43	23	23	20	15	16	42	24	4.8	1.6	498	0.26
8	41	22	23	20	15	14	65	20	4.3	1.5	87	0.34
9	40	22	23	19	14	13	142	19	4.2	1.4	37	0.37
10	41	22	22	19	14	19	65	22	3.9	1.3	19	0.33
11	40	22	22	19	13	35	51	14	3.7	1.2	20	0.30
12	38	23	21	19	13	21	43	12	3.3	1.0	11	0.27
13	37	23	22	18	13	16	40	11	3.2	0.94	5.9	0.23
14	35	23	23	18	13	14	34	1,220	3.1	0.86	4.2	0.22
15	36	22	26	17	13	14	31	230	2.9	0.88	3.2	0.15
16	38	22	27	17	12	12	28	88	2.8	0.88	2.4	0.12
17	38	22	26	17	14	11	28	54	2.6	0.86	2.0	0.11
18	40	21	25	17	13	196	43	41	2.5	0.80	32	0.10
19	38	22	25	17	14	85	42	32	2.3	0.84	399	0.11
20	35	22	24	16	14	96	33	27	5.1	0.79	48	0.11
21	33	22	23	16	13	61	32	23	4.2	0.76	12	0.11
22	33	22	23	16	13	44	29	20	4.8	0.73	4.4	0.13
23	32	22	23	16	12	36	27	18	3.8	0.69	2.3	0.13
24	31	23	22	17	12	32	26	16	3.1	0.68	1.4	0.12
25	31	29	22	16	12	29	24	15	2.9	0.73	1.0	0.11
26	29	47	22	17	11	27	22	13	2.6	0.75	0.87	0.11
27	28	43	22	18	11	26	26	12	2.2	0.73	0.66	0.10
28	27	35	22	19	11	24	33	11	2.0	0.69	0.58	0.11
29	27	31	22	21	11	23	36	10	1.7	0.61	0.54	0.11
30	26	27	22	19	---	22	30	9.7	1.7	0.59	0.50	0.11
31	26	---	22	18	---	22	---	8.9	---	6.7	0.53	---
Total	1,155	756	725	572	392	980	1,195	2,131.6	115.6	44.51	2,441.75	6.51
Mean	37.3	25.2	23.4	18.5	13.5	31.6	39.8	68.8	3.85	1.44	78.8	0.22
Max	52	47	27	22	17	196	142	1,220	8.0	6.7	1,240	0.48
Min	26	21	21	16	11	10	20	8.9	1.7	0.59	0.50	0.10
Ac-ft	2,290	1,500	1,440	1,130	778	1,940	2,370	4,230	229	88	4,840	13
Cfsm	0.08	0.06	0.05	0.04	0.03	0.07	0.09	0.15	0.01	0.00	0.17	0.00
In.	0.09	0.06	0.06	0.05	0.03	0.08	0.10	0.17	0.01	0.00	0.20	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	72.8	51.8	79.7	73.3	155	148	134	216	145	51.7	31.8	36.8
Max	1,416	907	1,894	767	2,170	1,274	1,033	2,116	1,868	1,003	348	433
(WY)	(1960)	(2005)	(1992)	(1961)	(1997)	(1997)	(1957)	(1965)	(2007)	(2007)	(2005)	(1970)
Min	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.76	0.07	0.00	0.00	0.00
(WY)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)	(1956)	(1978)	(1956)	(1954)	(1951)	(1952)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1951 - 2008	
Annual total	149,580.18		10,514.97			
Annual mean	410		28.7		99.3	
Highest annual mean					482	1992
Lowest annual mean					1.18	1978
Highest daily mean	19,600	Jun 28	1,240	Aug 6	35,200	Oct 4, 1959
Lowest daily mean	0.00	Jan 1	0.10	Sep 18	0.00	May 21, 1951
Annual seven-day minimum	0.10	Jan 6	0.11	Sep 24	0.00	Jul 6, 1951
Maximum peak flow			4,930	Aug 6	110,000	Dec 20, 1991
Maximum peak stage			12.54	Aug 6	^a 44.30	Dec 20, 1991
Annual runoff (ac-ft)	296,700		20,860		71,970	
Annual runoff (cfsm)	0.901		0.063		0.218	
Annual runoff (inches)	12.23		0.86		2.97	
10 percent exceeds	585		40		157	
50 percent exceeds	49		18		7.1	
90 percent exceeds	0.28		0.65		0.00	

^a From floodmark.

